

WHAT IS CLAIMED IS:

- 1 1. A printer, comprising:
 - 2 a fixed frame having a bucket in which rolled paper is stored;
 - 3 a movable frame movably attached to the fixed frame such that a
 - 4 passage, through which paper drawn out from the rolled paper is transported,
 - 5 is formed between the fixed frame and the movable frame when the movable
 - 6 frame is placed at a first position, and such that the passage is opened when
 - 7 the movable frame is placed at a second position;
 - 8 a printing head disposed at a printing section adjacent the passage,
 - 9 the printing head being provided on one of the fixed frame and the movable
 - 10 frame; and
 - 11 a winding shaft mounted on the fixed frame that winds up the paper
 - 12 transported through the printing section,
 - 13 wherein the movable frame is formed with an opening through which
 - 14 the winding shaft passes when the movable frame is moved between the first
 - 15 position and the second position.
- 1 2. The printer as set forth in claim 1, wherein the fixed frame comprises
- 2 at least one groove receiving the winding shaft, the winding shaft being
- 3 rotatable in the grooves.
- 1 3. The printer as set forth in claim 1, further comprising:
- 2 a paper feeding roller disposed adjacent the passage downstream of
- 3 the printing section, the paper feeding roller being provided on one of the fixed

4 frame and the movable frame; and
5 a motor for rotating the paper feeding roller to transport the paper
6 along the passage.

1 4. The printer as set forth in claim 3, wherein the winding shaft is rotated
2 synchronously with the paper feeding roller.

1 5. The printer as set forth in claim 4, wherein the winding shaft is rotated
2 by the motor.

1 6. The printer as set forth in claim 5, further comprising:
2 a first transmission mechanism, provided in one of a left side and a
3 right side of the printer to transmit a driving force from the motor to the paper
4 feeding roller; and
5 a second transmission mechanism, provided in the other one of the
6 left side and the right side of the printer to transmit a driving force from the
7 paper feeding roller to the winding shaft.

1 7. The printer as set forth in claim 3, wherein:
2 the passage includes a first passage extending from the printing
3 section and an outlet, and a second passage extending from the printing
4 section to the winding shaft; and
5 the paper is double-ply paper so that a first separated paper is
6 transported along the first passage to be ejected from the outlet, and a second
7 separated paper is transported along the second passage to be wound around

8 the winding shaft.

1 8. The printer as set forth in claim 1, further comprising a cover,
2 attached to the fixed frame so as to cover the bucket, the winding shaft and the
3 movable frame, the cover being pivotable independent from the movable
4 frame.

1 9. The printer as set forth in claim 7, further comprising:
2 a cover attached to the fixed frame so as to cover the bucket, the
3 cover being pivotable between a first position and a second position; and
4 a cutting mechanism provided with the cover to cut the first separated
5 paper, wherein:
6 a lower face of the cutting mechanism and an upper face of the
7 movable frame define the second passage when the cover is placed at the first
8 position; and
9 the second passage is opened in a case when the cover is placed at
10 the second position.

1 10. The printer as set forth in claim 1, wherein the printing head is a dot
2 impact type head.

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1 11. A printer, comprising:
2 a fixed frame having a bucket in which rolled paper is stored;
3 a movable frame pivotably attached to the fixed frame to pivot
4 between a closed position and an opened position, the fixed frame and the

5 movable frame in the closed position defining a paper transport passage;
6 a printing section disposed adjacent the paper transport passage; and
7 a winding shaft mounted on the fixed frame that winds up paper
8 transported through the printing section, the winding shaft being disposed in a
9 path of the movable frame when the movable frame is pivoted from the closed
10 position to the opened position,
11 wherein the movable frame comprises an opening therein of a
12 sufficient size that the winding shaft does not interfere with the movable frame
13 pivoting from the closed position to the opened position.